

Receiving Report

Date: 1/4/8

Batch No: 1728270

Supplier: B. E. Aero

Dart P/O: 23674

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☒
 Waybill Attached: Yes ☐ No ☒ N/A ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☒
 QC18 Inspection ☐
 Work Order ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date _____
 Received/Costing _____
 Initial _____

Location _____



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23674

Purchase Order Date 4/7/2014

PO Print Date 4/7/2014

Page Number 1 of 2

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

FCA - (Free Carrier)

11/28/2010

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS21042-3 313	Nut	4/9/2014 Yes 4/9/2014	FN	1,500.00 Each	\$0.19	\$285.00
Line Total:							\$285.00
2	MS27039-08-11 546	SCREW	4/9/2014 Yes 4/9/2014	FN	400.00 Each	\$0.09	\$36.00
Line Total:							\$36.00
3	MS35842-11 290	Hose Clamp	4/9/2014 Yes 4/9/2014	FN	10.00 Each	\$1.50	\$15.00

✓
12/14/18

Note:

4/7/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23674**

Purchase Order Date 4/7/2014

PO Print Date 4/7/2014

Page Number 2 of 2

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$15.00

4 NAS1835-08

Insert

4/9/2014 FN

50.00

\$1.57

\$78.50

Yes

Each

4/9/2014

Line Total: \$78.50

5 71401-45

PROCUREMENT
QUALITY CLAUSES

4/9/2014

1.00

\$0.00

\$0.00

No

4/9/2014

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

PO Total: \$414.50

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/7/2014



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23674

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
001	1500	EA	MS21042-3		M019933-000	ALCOA KAYNAR FULLERT	15653		


Jason Lewis
Vice President of Quality

04/07/14

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9948073686

Page: 1

Bill To: 5574
B/E AEROSPACE, INC.
P.O.BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Notice to Subsequent Purchaser or Repacker.
These articles are imported. The requirements of 19 U.S.C. 1304 & CFR part 134 provide that the articles or their containers must be marked in a conspicuous place as legibly, indelibly & permanently as the nature of the article or container will permit, in such a manner as to indicate to an ultimate purchaser in the United States, the English name of the country of origin of the article.

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
10/18/13	F416838	OELSS6			

Line/Rel	Item	/M	Qty	Order	Unit	Pack
4-1	AAE360 H14-3CW		00	00		770

C/I: MS21042-3

PO Item #: 4

*** TSO C-148 APPVD PART. TSO LABEL REQUIRED ***

Lot: M019933-000

COO:MEXICO

Waybill:

HTS-Code: 7318.16.0085

ECCN: 9A991 Schedule-B Number: 7318.16.0000

The export classification appears above. You are responsible for all related export license requirements.

MFG C OF C CHEM & PHYS TEST REPORT REQ

BUYER: CRISTINA SANCHEZ PHONE:
MATERIAL COMPLIES WITH DFARS 252.225-700
9 PREFERENCE FOR DOMESTIC SPECIALTY
METALS" WITH ITS ALTERNATE 1.

K452

10/18/13

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653 • Eagle Products: Cage Code 86776 • Rosan Products: Cage code 86776
ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.
CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9948073686

Page: 2

Bill To: 5574
B/E AEROSPACE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack	Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
10/18/13	F416838	0EL556				

Line/Rel Item

/M ty Order Q Pack

***SHIPPING INSTRUCTIONS: 1-49 BOX
AIR COLLECT ACCT# 0331-0149-0 IF

150 LBS OR MORE:SHIP FED EX FREIGHT ECON

OMY COLLECT ACCT# 018757. ***

DO NOT SHIP BY ANY OTHER WITHOUT PROPER
WRITTEN AUTHORIZATION.

ALLOWABLE SHIPPING TOLERANCE 1.0% &

*** BAR CODE PER QAP 33 CLAUSE P REQUIRE

D ***

** QAP 33.0 REV F CLAUSES: A,A.1,B,C,E,H
,P,U,V.

CLAUSE A.3 GENERAL TERMS APPLIES.

chem & phys certs

ALCOA GLOBAL FASTENERS, INC.

Keynar Products: Cage Code 15653

Eagle Products: Cage Code 68776

Rosan Products: Cage code 66776

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CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9948073686

Page: 1

Bill To: 5574
B/E AEROSPACE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight Pkgs #
10/18/13	F416838	OELS56		

Line/Rel	Item	Order #	Ship To
4-1	A 7360 H14-8CW	990	9877

C/I: MS21042-3

PO Item #: 4

*** TSO C-148 APPVD PART. TSO LABEL REQ'D ***

Cust Date: 02/10/13

Kay Date: 02/01/13

Lot: M019933-000 COO:MEXICO

Waybill: _____

ECCN: 9A991 Schedule-B Number: 7318.16.0000

HTS-Code: 7318.16.0085

The export classification appears above. You are responsible for all related export license requirements.

MFG C OF C CHEM & PHYS TEST REPORT REQ

BUYER: CRISTINA SANCHEZ PHONE:
MATERIAL COMPLIES WITH DFARS 252.225-700
9 PREFERENCE FOR DOMESTIC SPECIALTY
METALS" WITH ITS ALTERNATE 1.

CERTIFICATE OF CONFORMANCE

This is to certify that all items noted above were produced in conformance with the contract, drawing specifications, and other applicable documents. All required process certifications, chemicals and physical test reports are on file subject to examination. This document must not be reproduced except in full and relates only to the items tested.

K452

10/18/13

MICHELE M. VARELA
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Kaynar Products: Cage Code 15653

Eagle Products: Cage Code 86776

Rosan Products: Cage code 66776

ALL CLAIMS REGARDING THIS ORDER MUST BE REPORTED TO SELLER PROMPTLY. CLAIMS FOR CREDIT OR REPLACEMENT OF PARTS MAY BE LIMITED TO THOSE PARTS FOR WHICH TRACEABILITY HAS BEEN MAINTAINED BY THE BUYER. THE SELLER'S MANUFACTURING LOT IDENTIFICATION NUMBER AND RETURN MERCHANDISE AUTHORIZATION (RMA) NUMBER MUST ACCOMPANY ALL RETURNS. ANY CLAIM BASED ON AN ALLEGED DISCREPANCY IN QUANTITY, QUALITY, ETC. BETWEEN THE GOODS ACTUALLY SHIPPED AND/OR DELIVERED UNDER THESE DOCUMENTS AND THE DESCRIPTION THEREOF IN THESE DOCUMENTS, MUST BE MADE IN WRITING TO SELLER NOT LATER THAN NINETY (90) DAYS AFTER THE SHIPPING DATE APPEARING HEREON. FOR ITEMS CERTIFIED TO BPS-N-70, ALLOY VERIFICATION HAS BEEN PERFORMED ON PARTS WITH A DATE OF MANUFACTURE ON OR AFTER JANUARY 1, 2001. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CUSTOMER'S COPY

Alcoa Fastening Systems



Packing Slip



Packing Slip: 9948073686

Page: 2

Bill To: 5574
B/E AEROSPACE, INC.
P.O. BOX 025263
MIAMI FL 33102-5263
USA

Ship To: (14)
B/E AEROSPACE CONSUM MGMT
9835 NW 14TH ST
MIAMI FL 33172
USA

From:
ALCOA FASTENING SYSTEMS
AEROSPACE PRODUCTS
FULLERTON OPERATIONS
800 SOUTH STATE COLLEGE
FULLERTON CA 92831
USA

Order Contact:

Pack Date	Order #	Cust PO	Ship Via	Weight	Pkgs #
10/18/13	F416838	0ELS56			

Line/Rel

CERTIFICATION

SHIPPING INSTRUCTIONS 1-1 S:FE
AIR COLLECT ACCT# 0931-0149-01
150 LBS OR MORE:SHIP FED EX FREIGHT ECON
OMY COLLECT ACCT# 018757. ***
DO NOT SHIP BY ANY OTHER WITHOUT PROPER
WRITTEN AUTHORIZATION.
ALLOWABLE SHIPPING TOLERANCE = +0%-0 %.
*** BAR CODE PER QAP 33 CLAUSE P REQUIRE
D ***
** QAP 33.0 REV F CLAUSES: A,A.1,B,C,E,H
,P,U,V.
CLAUSE A.3 GENERAL TERMS APPLIES.
chem & phys certs

CERTIFICATE OF CONFORMANCE

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MICHELE M. VARELA
Quality Manager
Fullerton Operations

ALCOA GLOBAL FASTENERS, INC.

Keyner Products: Cage Code 15653 • Eagle Products: Cage Code 66776 • Rosan Products: Cage code 66776

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CUSTOMER'S COPY

NO.

Page 1 of 3

8191986

Lot No.

M019933-000

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**Supplier Item No.
AAE360Supplier Part No.
H14-3CWInterchange Part No.
1208771Interchange Part No.
H14-3CWInterchange Part No.
MS21042-3 Rev. 1Manufactured Quantity
98770Mfg. Date
11/15/12Generic Description
NUT 6 POINTThread Size
.1900-32

HEAT TREAT

AMS-H-6875 REV. B

Plating

AMS-QQ-P-416 TY II CL II REV. C

NON-DESTRUCT

ASTM E1444 REV. 12 SAMPLE

PERFORMANCE

NASM25027 REV. 1Material Spec. #
AMS 6322-NMill Heat No.
10152770Control Heat No.
BE18010AMaterial Supplier
WIRETECH INC

Special Process Requirements:

THREADS AND GAUGING PER AS8879 Rev.DR12**and ASME B1.3M SYS. 22****MIN EQUALS BKWY MAX EQUALS INST****TEST RESULTS**

TEST No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
1 - 010 Torque Test 18 LBS MAX 2 LBS MIN 1,7,15	IN#	1	1	7.35	8.35		2.00	18.00
			7	7.15	7.90			
			15	7.00	5.60			
		2	1	8.45	8.20			
			7	7.95	7.50			
			15	8.45	7.10			
		3	1	7.10	8.65			
			7	7.45	8.00			
			15	8.40	8.85			
		4	1	6.05	8.00			
			7	7.45	7.40			
			15	7.55	8.05			
		5	1	6.50	8.40			
			7	7.05	7.90			
			15	5.90	6.90			
		6	1	7.15	8.30			
			7	7.55	7.90			
			15	6.25	6.40			
		7	1	6.45	8.75			
			7	5.20	4.90			
			15	5.50	5.60			
		8	1	8.75	10.35			
			7	9.90	9.25			
			15	7.10	8.15			
		9	1	7.35	8.35			

TEST RESULTS - Continued on next page.**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

The product identified on this Certificate has been manufactured, tested and unless otherwise noted, conforms in all respects to the applicable drawings, specifications and standards. Complete reports of physical and chemical tests are on file for examination. If no specified customer quality level is required, goods conform to sellers quality level. All Damages Exceeding Price are Excluded. For items certified to BPS-N-70 alloy verification has been performed on parts with a date of manufacturing on or after January 1, 2001. Quality system sampling plan conforms to the requirement of QAP EQ001, QAP EQ002, QAP EQ003. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

ALCOA GLOBAL FASTENERS, INC.

MICHELE M. VARELA, QA MGR.

Rev. 12/02 Form 11188

SHIPPER#: 9948073686

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NO.

Page 2 of 3

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

Lot No.

M019933-000Supplier Item No.
AAE360Supplier Part No.
H14-3CW**TEST RESULTS - Continued from previous page.**

----- TEST ----- No. Description	UOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		10	7	7.95	7.65			
			15	6.50	6.00			
			1	6.05	7.00			
		11	7	7.50	7.55			
			15	7.25	7.10			
			1	8.00	9.75			
		12	7	6.70	6.45			
			15	7.35	8.45			
			1	6.00	7.70			
		13	7	8.05	7.75			
			15	7.75	7.85			
			1	5.10	6.50			
		14	7	5.75	5.30			
			15	5.95	5.15			
			1	7.10	8.15			
2 - 020 TENSILE TEST 3470 LBS MIN	LBS		7	6.05	6.15		3470.00	
			15	5.95	5.50			
			1	6.70	7.65			
			7	6.80	6.45			
			15	5.95	5.45			
			1	4040.00				
		2	1	3670.00				
		3	1	3670.00				
		4	1	3670.00				
		5	1	3670.00				
		6	1	3670.00				
		7	1	3670.00				
		8	1	3670.00				
		9	1	3670.00				
		10	1	3670.00				
3 - 050 Embrittlement seated @ 54 lbs. /23 HOURS	HRS	11	1	3670.00		Pass		
		12	1	3670.00				
		13	1	3670.00				
		14	1	3670.00				
		15	1	3670.00				
		1	1			Pass		
		2	1			Pass		
		3	1			Pass		
		4	1			Pass		
		5	1			Pass		

TEST RESULTS - Continued on next page.**THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL AND RELATES ONLY TO THE ITEMS TESTED**

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MICHELE M. VARELA, QA MGR.

ALCOA GLOBAL FASTENERS, INC.

Rev. 12/02 Form 11199

SHIPPER#: 9948073686

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NO.

Page 3 of 3

**Alcoa
Fastening
Systems**Aerospace Products
Fullerton Operations
800 S.STATE COLLEGE BLVD
FULLERTON, CA 92831**TEST REPORT**

Lot No.

M019933-000Supplier Item No.
AAE360Supplier Part No.
H14-3CW**TEST RESULTS - Continued from previous page**

----- TEST ----- No. Description	JOM	SAMPLE Number	RESULT Cycle	MINIMUM Value	MAXIMUM Value	PASS/ Fail	MINIMUM Requirement	MAXIMUM Requirement
		6	1			Pass		
		7	1			Pass		
		8	1			Pass		
		9	1			Pass		
		10	1			Pass		
4 - 110 Hardness HRC	RC	1	1	40.00	40.00			
6 - 113 Hardness (HR15N)	-	1	1	(80.40)	(80.50)			

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ALCOA GLOBAL FASTENERS, INC.


MICHELE M. VARELA, QA MGR.

Rev. 12/02 Form 11199

SHIPPER#: 9948073686

**WireTech, Inc.**6440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

Alcoa Fastening Sys. Fullerton
Fullerton Operations
561 S. State College
Fullerton, CA 92831
USAWORK ORDER
089076**CERTIFICATION**

HEAT NO.

10152770 ✓

SALES ORDER / RLS

843178 / 1

ISO 9001-2000 REGISTERED

MECHANICAL TESTING
CERT # 911.01

CERT# 911.01

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	CARRIERS	LADING NO	SHIPMENT DATE			
220567809	GPV_717886	3,146 Lbs	2	00098213	07/12/2012			
SPECIFICATION F218740-102790A A-8740, AQ, SKFG, CHQ WIRE, SEAM & DECARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.278/0.280 Specifications: AMS 2301K, AMS 6322N, MIL-S-6049A AMEND 1 MS 111, REV 7, AMS-S-6049-A								
CERTIFICATION REQUIREMENTS								
Chemical Properties								
C ✓ .40	Si ✓ .24	Mn ✓ .88	P ✓ .009	S ✓ .007	Cu ✓ .10	Ni ✓ .42	Cr ✓ .53	Mo ✓ .22
Physical Properties								
Grain Size Jominy 1 6 J5=55	Jominy 2 J8=48	Jominy 3 J10=45	Inclusions Macro S2-R1-C2	Cleanliness F&S=0	Mill Source Charter			
Country of Origin USA - DFAR Compliant								
Mechanical Properties								
TEST	UNITS	Results						
Tensile Strength	KSI	82.0						
Decarb (Total)	In	0.00						
Yield Strength	KSI	69.7						
% Elongation	%	31						
% Reduction of Area	%	73.0						
Rockwell Hardness B Scale	HRB (s)	85 ✓						

7/13/12 K424

Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material out to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."

REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.

Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Mill Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.

TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.

DFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(8)

Material is free of mercury, radium, or alpha contamination.

This document shall not be reproduced, except in full, without the written approval of AFS.



CHARTER STEEL

A Division of
Charter Manufacturing Company, Inc.

EMAIL:

1658 Cold Springs Road
Saukville, Wisconsin 53080
(262) 268-2400
1-800-437-8789
FAX (262) 268-2570

CHARTER STEEL TEST REPORT

Reverse Has Text And Codes

Wiretech Incorporated
6440 East Canning Street
Attn: Andre Stephan
Los Angeles, CA-90040

Cust P.O.	6676-12
Customer Part #	8740C1A090-C-WIRE
Charter Sales Order	70027879
Heat #	10152770
Ship Lot #	4104253
Grade	8740 R SK FG AQ 3/8
Process	DFSAR
Finish Size	0.360

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

Test Results of Heat Lot# 10152770											
Lab Code: 7388	C	MN	P	S	SI	NI	CR	MO	CU	SN	V
CHEM %WT	.40	.88	.009	.007	.24	.42	.53	.22	.10	.008	.001
	AL	N	B	TI	NB						
	.025	.0060	.0003	.002	.002						
JOMINY(HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM12
	56	56	56	56	55	52	50	48	47	45	42
	JOM14	JOM16	JOM18	JOM20	JOM24	JOM28	JOM32				
	40	38	37	36	34	32	30				

JOMINY SAMPLE TYPE ENGLISH = C
MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1
AMS 2301 FREQUENCY AVERAGE = .00 AMS 2301 FREQUENCY INDIVIDUAL = .00
AMS 2301 SEVERITY AVERAGE = .00 AMS 2301 SEVERITY INDIVIDUAL = .00
CHEM. DEVIATION EXT.-GREEN =

Test Results of Rolling Lot# 1050522				
REDUCTION RATIO = 274:1				
Test Results of Processing Lot# 4102981,4104253				
	# of Tests	Min Value	Max Value	Mean Value
TENSILE	1.0	91.7	91.7	91.7
REDUCTION OF AREA	1	62	62	62
ROCKWELL B	1	84	84	84
		TENSILE LAB = 0358-02		
		RA LAB = 0358-02		
		RB LAB = 0358-02		

NUM DECARB = 1 FREE FERRITE DECARB = .000 FREE FERR & PARTIAL DECARB = .000
CP SPHERO % LAB = 0358-02 NUM SPHERO = 1 SPHERODIZATION = 82.5

Specifications:

Manufactured per Charter Steel Quality Manual Rev 9.08-01-08
Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:
Customer Document = AMS6322N/AMS2301K/COP3010M/BS25147:1976 CHEM ONLY Revision = Dated =

Additional Comments:

Charter Steel
Saukville, WI, USA

Rem: Load1, Fax0, Mail0



Page 1 of 1

This MTR supersedes all previously dated MTRs for this order

Janice Barnard
Manager of Quality Assurance
01/25/2012

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFAR's compliance.
2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code	Laboratory		Address
0358-01	7388	CSSM	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSSR/CSSP	Charter Steel Rolling/Processing Division	1658 Cold Springs Road, Saukville, WI 53080
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	CSCM/CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
.	.	--	Subcontracted test performed by laboratory not in Charter Steel system	

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Specification	CSSM	CSSR/CSSP	CSFP	CSCM/CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	X			X
Macroetch	ASTM E381	X			X
Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561	X			X
Grain Size	ASTM E112	X	X	X	X
Tensile Test	ASTM E8; ASTM A370		X	X	X
Rockwell Hardness	ASTM E18; ASTM A370	X	X	X	X
Microstructure (spheroidization)	ASTM A892		X	X	
Inclusion Content (Methods A, E)	ASTM E45		X		X
Decarburization	ASTM E1077		X	X	X

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/13.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.





B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23674

LIN#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
003	10	EA	MS35842-11		061212	BREEZE CLAMPS	72588		


Jason Lewis
Vice President of Quality

04/07/14

**THIS
MEMORANDUM**

IS AN ACKNOWLEDGEMENT THAT A BILL OF LADING HAS BEEN
ISSUED AND IS NOT THE ORIGINAL BILL OF LADING, NOR A
COPY OR DUPLICATE, COVERING THE PROPERTY NAMED HEREIN.
AND IS INTENDED SOLELY FOR FILING OR RECORD.

PACKING LIST

SID#:



634828

NAME OF CARRIER

PITT OHIO

VENDOR#:

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND LAWFULLY FILED TARIFFS IN EFFECT ON THE DATE OF THE RECEIPT BY THE CARRIER OF THE PROPERTY DESCRIBED IN THE ORIGINAL BILL OF LADING

AT: SALTSBURG, INDIANA CO., PA

7/16/2012

FROM: **NORMA PENNSYLVANIA, INC**

DBA: BREEZE INDUSTRIAL PRODUCTS PAGE: 1

S B/E AEROSPACE INC.
O PO BOX 025263
L MIAMI, FL 33102-5263
D

T
O

CONSIGNED TO
MAIL OR STREET ADDRESS FOR PURPOSE OF NOTIFICATION ONLY
B/E AEROSPACE INC.
9835 NW 14TH ST
MIAMI, FL 33172

SUBJECT TO SECTION 7

THE CARRIER SHALL NOT MAKE DELIVERY OF THIS SHIPMENT
WITHOUT PAYMENT OF FREIGHT AND ALL OTHER CHARGES.
BREEZE INDUSTRIAL PRODUCTS

FREIGHT: **PREPAID**

TRAILER#:

THE AGREED OR DECLARED VALUE OF THE PROPERTY IS STATED
TO BE NOT EXCEEDING

PER

THIS SHIPMENT IS CORRECTLY DESCRIBED. CORRECT WEIGHT IS
SUBJECT TO VERIFICATION BY ORIGIN INSPECTION BUREAU.

COLLECT ON DELIVERY

\$

AND
REMIT
TO:

THIS IS TO CERTIFY THAT THE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED,
MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE
APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

DATE ENTERED	FGT.	TERR.	CUSTOMER NO.	SHIP VIA	
3/27/2012	Y	0206	02755005	04540624 PITT OHIO	
QTY ORDERED(EA)	ITEM NO	DESCRIPTION	BREEZE NO	QTY SHIPPED(EA)	BALANCE ON ORDER(EA)

ALL PRODUCTS ARE MADE IN USA UNLESS SPECIFIED ON LINE ITEM

5000	1	MS35842-11 B		5000	0
		MS35842-11			
		PO: 8M5156	317008		
		LOT: 030111	QTY: 200		
		LOT: 051012	QTY: 4200		
		LOT: 061212	QTY: 600		

CONTAINER DESCRIPTIONS	WEIGHT/FGT AMT	EMP#	PRODUCT DESCRIPTION/TOTAL QTY
1 PALLETS OF 25 CARTONS	265 LBS .00	419	HOSE CLAMPS/CLASS 85 5000

BREEZE INDUSTRIAL PRODUCTS SHIPPER, PER
PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 3582 TUNNELTON ROAD
SALTSBURG, PA 15681-9594

7/16/12 15:55:12

Driver Signature: _____

**NORMA
GROUP**

NORMA Pennsylvania, INC.

3582 Tunnelton Road • Saltsburg, PA 15681 USA

Tel 724-639-3571 • Fax 724-639-3020 • E-Mail breezeales@breezeindustrial.com
www.normagroup.com

*Certified
ISO 9001:2008,
ISO/TS 16949:2009 &
ANSI/ISO 14001:2004
Standards*

07/16/2012

B/E AEROSPACE INC.
9835 NW 14TH ST
MIAMI, FL 33172

CERTIFICATE OF CONFORMANCE:

SUBJECT: Your Order Number 8M5156
Your Part Number MS35842-11
Our Part Number MS35842-11 B
Lot Number 030111, 051012, 061212
Quantity Shipped 200, 4200, 600

I hereby certify that the hose clamps shipped on the above subject order meet the requirements of specification MS35842, Rev. E.

Certifications and test reports covering material used in the manufacture of these clamps are retained in our files.

Kathleen Bridge

Kathleen Bridge,
Quality Engineer
Norma Pennsylvania dba
Breeze Industrial Products

Breeze Order No. 317008
CERTMS





NORMA Pennsylvania, INC.

3582 Tunnelton Road • Saltsburg, PA 15681 USA

Tel 724-639-3571 • Fax 724-639-3020 • E-Mail breezeales@breezeindustrial.com
www.normagroup.com

Certified
ISO 9001:2008,
ISO/TS 16949:2009 &
ANSI/ISO 14001:2004
Standards

07/16/2012

R/E AEROSPACE INC.
9835 NW 14TH ST
MIAMI, FL 33172

DFARS CERTIFICATE OF CONFORMANCE:

SUBJECT: Your Order Number 8M5156
Your Part Number MS35842-11
Our Part Number MS35842-11 B
Lot Number 030111, 051012, 061212
Quantity Shipped 200, 4200, 600

Norma Pennsylvania dba Breeze Industrial Products certifies that greater than fifty percent (50%) of our purchases of "specialty metals" as defined by 10 USC 2533b are or will be made from domestically-melted specialty metals. The commercial fasteners produced by our company may subsequently be considered compliant with 10 USC 2533b (h) (3). Further, fasteners are commercial items and are compliant to 252.225-7009(a)(3). Documentation can be provided upon request.

Yours Truly,

Kathleen Bridge

Kathleen Bridge,
Quality Engineer
Norma Pennsylvania dba
Breeze Industrial Products

Breeze Order No. 317008



**NORMA
GROUP**

NORMA Pennsylvania, INC.

3582 Tunnelton Road • Saltsburg, PA 15681 USA

Tel 724-639-3571 • Fax 724-639-3020 • E-Mail breezeales@breezeindustrial.com
www.normagroup.com

Certified
ISO 9001:2008,
ISO/TS 16949:2009 &
ANSI/ISO 14001:2004
Standards

07/16/2012

B/E AEROSPACE INC.
9835 NW 14TH ST
MIAMI, FL 33172

Per your request, chemical and physical breakdown pertaining to the following:

Your OrderNumber	8M5156
Your Part Number	MS35842-11
Our Part Number	MS35842-11 B
Lot Number	1111, 0811, 0311
Quantity Shipped	200, 4200, 600

BAND- TYPE 301 STAINLESS STEEL

Chemical -C=0.15 max Mn=2.00 max P=0.040max S=0.030 max Si=1.00 max Cr=16.0-18.0
Ni=6.0-8.0 Mo=0.75 max Cu=0.75 max

Mechanical- Tensile PSI=160,000-180,000 Yield PSI=130,000 min Elongation(in 2")=15% min

HOUSING- TYPE 301 STAINLESS STEEL

Chemical -C=0.15 max Mn=2.00 max P=0.040max S=0.030 max Si=1.00 max Cr=16.0-18.0
Ni=6.0-8.0 Mo=0.75 max Cu=0.75 max

Mechanical- Tensile PSI=90,000-120,000 Yield PSI=40,000 min Elongation(in 2")=50% min

SADDLE - TYPE 301 STAINLESS STEEL

Chemical -C=0.15 max Mn=2.00 max P=0.040max S=0.030 max Si=1.00 max Cr=16.0-18.0
Ni=6.0-8.0 Mo=0.75 max Cu=0.75 max

Mechanical- Tensile PSI=90,000-120,000 Yield PSI=40,000 min Elongation(in 2")=50% min

SCREW - TYPE 410 STAINLESS STEEL

Chemical - C=0.08-0.15 Mn=1.00 max P=0.040 max S=0.030 max Si=1.00 max Cr=11.5-13.5
Mechanical--Tensile PSI=85,000 max

Please contact your customer service representative if additional information is required.

Breeze Order No. 317008

Yours Truly,

BREEZE INDUSTRIAL PRODUCTS CORP.

Kathleen Bridge

Kathleen Bridge,
Quality Engineer





B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART-AEROSPACE LTD

PURCHASE ORDER#: PO23674

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
004	50	EA	NAS1835-08		MIL0260	SHUR-LOK CORPORATION	97393		


Jason Lewis
Vice President of Quality

04/07/14

PACKING SLIP

SHUR-LOK COMPANY

2541 WHITE ROAD
IRVINE, CA 92614
TEL (949) 474-6000 FAX (949) 660-8601
WWW.SHUR-LOK.COM

Page 1
RZEPEDA 6/29/13 14:03:56

SHIP ID	159174
SHIP DATE	6/29/13

Ship to :
B/E AEROSPACE CONSUMABLES
9835 NW 14TH STREET
MIAMI FL 33172
USA

Sold to ...
B/E AEROSPACE CONSUMABLES
P.O. BOX 025263
MIAMI FL 33102-5263
USA

CUSTOMER	ORDER NUMBER	PICKLIST NO.	PURCHASE ORDER NO.
1928100	87167	159174	OPKR42
ORDER DATE	REQUEST DATE	SHIP VIA - FOB SHIPPING POINT (IRVINE)	
5/29/13	5/29/13	FEDEX GROUND # 0331-0149-0	
ITEM NUMBER	PART NUMBER		QUANTITY SHIPPED
07574	SL606-08S TSO : TSO-C148 LOT BREAKDOWN: MIL0260 NAS1835-08 REV 8 SL606-08S REV P	19,122.000	19,122.000
			DATE SHIPPED JUN 29 2013 P/S 159174

These commodities, technology, items, or software were exported from the United States in accordance with U.S. export regulations including the Export Administration Regulations or the International Traffic in Arms Regulation. Re-export transfer, sale, or use contrary to U.S. law is prohibited. Diversion contrary to U.S law is prohibited.#



SHUR-LOK COMPANY

SPS Fastener Division, a SPS Company

2541 White Road, Irvine CA 92614
Tel. (949) 474-6000 Fax. (949) 660-8601
WWW.SHUR-LOK.COM

Certificate of Compliance

CUSTOMER B/E AEROSPACE CONSUMABLES

CUSTOMER P.O. NO. OPKR42

SHUR-LOK
SALES
ORDER

C 87167

CUSTOMER PART NO. NAS1835-08

SHUR-LOK
PART NO.

SL606-08S

REV 8

REV

P

LOT NO. MIL0260

TOTAL QTY
SHIPPED

19,122

Notes:

DFARS 252.225.7009 APPLIES

SHUR-LOK COMPANY certifies that the above noted part number was manufactured and inspected in accordance with the applicable purchase order, drawing, specifications, and any other requirements invoked thereon.

The materials and/or parts furnished under the above purchase order were produced either from materials furnished by the Buyer for the production of such parts, or from materials for which the Seller has available for examination, chemical and/or physical test reports or other evidence of conformance.

The SLC Part Number, Revision letter and/or Lot Number listed on this certification may not reflect the part number, revision letter and/or lot number listed on the Processing Certification(s) and/or other paperwork attached to this Certification. The identification listed on this certification is the identification of the SLC Sales drawing at the time of manufacture and may not coincide with the manufacturing drawing(s) and/or revision letter(s) used to manufacture and process the part(s). Traceability to the identification listed on this certification is maintained and guaranteed.

When applicable, the parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards set in the manufacturer's design. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

6/29/2013

Date

Bertha Albarado
Authorized Representative

MIL0260

NUCOR**NUCOR CORPORATION
NUCOR COLD FINISH UTAH****Mill Certification
7/11/2012**1875 West Highway 13 South
BRIGHAM CITY, UT 84302
(435) 734-9334
Fax: (435) 734-4581Sold To: BRALCO METALS #43
15090 NORTHAM ST
LA MIRADA, CA 90638-0000
(714) 736-4800
Fax: (714) 736-4840Ship To: BRALCO METALS #43
15090 NORTHAM ST
LA MIRADA, CA 90638-0000
(714) 736-4800
Fax: (714) 736-4840

Customer P.O.	43-103408	Sales Order	513360.2
Product Group	Cold Finish Bar	Part Number	332534
Grade	12L14 ASTM A108-07	Lot #	B1108731
Size	Round 0.6875 (.0020)	Heat #	AR293863 ✓
Product	RD 0.6875" 12L14HD 12-R CD.GR ✓	B.L. Number	B1-405214
Description	CF Grade 12L14HD (Heavy Draft) ✓	Load Number	B1-104871
Customer Spec		Customer Part #	332534

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Part Detail: RD 0.6875" 12L14HD 12-R Cold Drawn Ground
Process: Cold Drawn, Ground

C ✓	Mn ✓	P ✓	S ✓	Si	Cu	Cr	Ni	Mo	Sn	V	Cb
0.08%	0.96%	0.060%	0.290%	0.00%	0.25%	0.07%	0.08%	0.020%	0.000%	0.0000%	0.000%
Al	Pb ✓										
0.000%	0.310%										

Country of Melting: USA ✓

Reduction Ratio 94 :1

Country of Rolling: USA

Yield Strength: 88900 PSI ✓

Tensile Strength: 91000 PSI ✓

Elongation: 9.4 % in 2" (% in 50.8mm)

Reduction in Area: 44.2 %

Specification Comments:

This material meets all requirements of
Shur-Lok Specification MPS 1105 Rev C ✓

1. Material certifies to ASTM A 108 - 07 (unless otherwise noted) for Standard Cold Finished Bars
2. This material has not been welded nor weld repaired
3. Mercury has not been used in the production of this material

ALLOY VERIFICATION

QAI 3001/1

BY

(\$17)

DATE

6-8-13

**MATERIAL APPROVED FOR
MPS 1105**

Q.A. STAMP

(\$17)

DATE

6-8-13

**RAW MATERIAL
LOT NO:**

29456

ITEM NO:

71451

INSPECTOR:

(\$17)

DATE

6-8-13

MATERIAL VERIFIED COMPLIANT TO
ASTM A 252.225-7008 ALTI

BY

(\$17)

Andrew Schless

Andrew Schless

DIVISION METALLURGIST

NBMG-10 January 1, 2012

Sold to: Shur-Lok PO: PAM0743-00 Part: 71451 KANBAN Order No.: 375519

TR clerk signature: *Frederick G. Gandy*

MIL0260

NUCOR**NUCOR CORPORATION
NUCOR COLD FINISH UTAH****Mill Certification**

1/25/2013

1875 West Highway 13 South
BRIGHAM CITY, UT 84302
(435) 734-9334
Fax: (435) 734-4581Sold To: BRALCO METALS #43
15090 NORTHAM ST
LA MIRADA, CA 90638-0000
(714) 736-4800
Fax: (714) 736-4840Ship To: BRALCO METALS #43
15090 NORTHAM ST
LA MIRADA, CA 90638-0000
(714) 736-4800
Fax: (714) 736-4840

Customer P.O.	43-107393	Sales Order	516833.1
Product Group	Cold Finish Bar	Part Number	332534
Grade	12L14 ASTM A108-07 (.09 max C)	Lot #	B1108623
Size	Round 0.6875 (.0020)	Heat #	AR293449 ✓
Product	RD 0.6875" 12L14HD 12-R CD.GR ✓	B.L. Number	B1-406376
Description	CF Grade 12L14HD (Heavy Draft) ✓	Load Number	B1-105975
Customer Spec		Customer Part #	332534

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Part Detail: RD 0.6875" 12L14HD 12-R Cold Drawn Ground
Process: Cold Drawn, Ground

C	Mn	P	S	Si	Cu	Cr	Ni	Mo	Sn	V	Cb
0.08%	1.01%	0.050%	0.310%	0.00%	0.20%	0.10%	0.07%	0.017%	0.000%	0.0000%	0.000%
Al	Pb										
0.000%	0.300%										

Country of Melting: USA ✓

Reduction Ratio 94 :1

Country of Rolling: USA

Yield Strength: 94000 PSI ✓


Tensile Strength: 95000 PSI ✓


Elongation: 12.0 % in 2" (% in 50.8mm)


Reduction in Area: 47.0 %

Specification Comments:
This material meets all requirements of
Shur-Lok Specification MPS 1105 Rev C ✓

1. Material certifies to ASTM A 108 - 07 (unless otherwise noted) for Standard Cold Finished Bars
2. This material has not been welded nor weld repaired
3. Mercury has not been used in the production of this material

ALLOY VERIFICATION	
QAI 3001/1	
BY 	DATE 6-8-13

MATERIAL APPROVED FOR	
MPS 1105	
Q.A. STAMP 	DATE 6-8-13

RAW MATERIAL	
LOT NO: 29457	
ITEM NO: 71451	
INSPECTOR: 	DATE: 6-8-13

MATERIAL VERIFIED COMPLIANT TO
DFARS 252.225-7008 ALTIBY *Todd Edwards*

Todd Edwards

DIVISION METALLURGIST

NBMG-10 January 1, 2012

Sold to: Shur-Lok PO: PAM0743-00 Part: 71451 KANBAN Order No.: 375519
TR clerk signature: *Frederick Gurney*

MIL0260

Reid Metal Finishing
3110 West Harvard
Santa Ana, CA 92704
Phone: (714) 549-3771
Fax: (714) 549-3008

CERTIFICATION

P/L # 76132

06/22/2013

SOLD TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE, CA 92614

SHIP TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE CA 92614

Ship: RMF Truck 2

Net 75 Days

60,000 *qty.*

SL2052C3

CAP

Per. ea.
0 B/O

41.00 /bs.

MIJ2413

78903

AGREEMENT

WE HEREBY CERTIFY COMPLIANCE TO THE BELOW REFERENCED PROCESS SPECIFICATION(S)

Chemical Film Type I Class 1A Gold (Hexavalent)

Color: GOLD

MIL-DTL-5541 (MIL-C-5541)

Rev: F (E)

IAW MPS0023

Quantity Inspected 500



6/22/13

Q.C. MANAGER:

Jim Chandler



Nadcap

Processes are performed by RMF in accordance with the latest revisions or superseding specifications. This certification also meets the requirements for designs and drawings developed under older revisions and/or non-current specifications. An Electrode Technologies, Inc., Company.

MIL0260

CERTIFICATE OF TEST

THIN METAL SALES, INC.

15047 Sierra Bonita Ln., Chino CA 91710

TEL: (909) 393-2273 FAX: (909) 393-2811

Web: www.ThinMetalSales.com / Email: Sales@ThinMetalSales.com

TMS LOT NUMBER
110771

CUSTOMER:	SHUR - LOK CORPORATION		
MATERIAL:	ALUMINUM	CUSTOMER P.O.#:	PAM0729-00
TYPE:	6061	DATE SHIPPED:	05/29/13
SIZE:	012 X 2.162"	TMS SALES ORDER #:	88968
# OF UNITS:	5 COILS	MILL SOURCE:	ERICKSON METALS (USA)
NET WEIGHT:	370#	LOT NUMBER:	125107
SPECIFICATION:	ASTM-B-209 AMS-4025		

PHYSICAL PROPERTIES

TEMPER:	0
HARDNESS:	
ULTIMATE TENSILE	20,136
YIELD STRENGTH @ .2% OFFSET	8,219
PERCENT ELONGATION IN 2 INCHES	18.00%
ASTM GRAIN SIZE	

CHEMICAL PROPERTIES

C	Mn	Si	Others-Each	Ni	Mo	Cu	N	Al	Ti
	.04	.68				.32		REM.	.03

Co	Fe	Sn	Others-Total	Cr	V	Mg	Zr	Sb	Zn
	.70			.22		1.00			.02

* Tensile & Yield Strength reported in PSI

* Mercury Free Statement: This material was not knowingly exposed to mercury /mercury products while being processed at TMS.

We certify this to be a true and just copy of the chemical and mechanical properties as recorded in our company files.

DATE: May 29, 2013

Richard Rennwald
 RICHARD RENNWALD
 QUALITY CLERK

RAW MATERIAL LOT NO:	125107
ITEM NO:	72275
INSPECTOR:	5-30.1
DATE:	

(72275)

MIL0260



25 KNOTTER DRIVE / CHESHIRE, CT 06410-9998
 PHONE 203-272-2818 / 800-243-2874 / FAX 203-272-2912
 www.ericksonmetals.com

CERTIFICATE

44380

Date: 04/26/13

Page: 1

Account No: 0T2160

BILL TO:

THIN METAL SALES INC
 15047 SIERRA BONITA LANE
 CHINO, CA 91710

SHIP TO:

THIN METAL SALES INC
 15047 SIERRA BONITA LANE
 CHINO, CA 91710

Order No: 42893

PO#: 110771

Invoice No: 049024
 Bill Of Lading#: 41141

CUST PART #:

Specs: *ASTM B209 AMS 4025 QQA 250/11

EMC PART NO: 6061-000-01200

Skid No.	No. of Cuts	Our Coil Number	Item Number
131922	2	125107	6061-000-01200
131923	2		

Alloy	Gauge
6061	0.01200
0	12.0000

Specific Properties

Elements	Percentage
Silicon	0.6800
Silicon/Iron	0.0000
Iron	0.7000
Copper	0.3200
Manganese	0.0400
Magnesium	1.0000
Chromium	0.2200
Nickel	0.0000
Zinc	0.0200
Titanium	0.0300
Other Each	0.0000
Other Total	0.0000
Aluminum	Remainder
Gallium	0.0000
Vanadium	0.0000

Mechanical Analysis
Ultimate Tensile: 20136 psi
Yield Strength: 8219 psi
Elongation Pct: 18 %

DATE:	INSPECTOR:
ITEM NO:	LOT NO:
RAW MATERIAL	RAW MATERIAL

RAW MATERIAL	125107
LOT NO:	72275
ITEM NO:	5-30-13
INSPECTOR:	DATE:

We hereby certify that the material referred to above conforms to the physical and chemical properties above and is in accordance with the requirements per stated specifications.

Laboratory Services
 AN ISO 9001:2008 Registered Company

Date

110771

MIL0260

CERTIFICATION

Reid Metal Finishing
3110 West Harvard
Santa Ana, CA 92704
Phone: (714) 549-3771
Fax: (714) 549-3008

P/L # 76398

06/26/2013

SOLD TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE, CA 92614

SHIP TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE CA 92614

Ship: RMF Truck 2

Net 75 Days

UNITS SHIPPED	PART	DESCRIPTION	RMF	REF
19,130 /qty. Per: ea. 0 B/O	SL606H08S	HOUSING	MIJ6480	79033 AGREEMENT
	260.00 /bs.			

WE HEREBY CERTIFY COMPLIANCE TO THE BELOW REFERENCED PROCESS SPECIFICATION(S)

Cadmium Plate Type II Class 2 Chromate

Color: GOLD

AMS-QQ-P-416

Rev: C

IAW MPS0016

Quantity Inspected 20

MPS0016 Sampling IAW MIL-STD-105 AQL 4.0 Level S-3 for visual and nondestructive (thickness) tests.

Q.C. MANAGER:

Jules Anzior



Nadcap



6-26-13

Processes are performed by RMF in accordance with the latest revisions or superseding specifications. This certification also meets the requirements for designs and drawings developed under older revisions and/or non-current specifications. An Electrode Technologies, Inc., Company.

Hi Tech Heat Treating

331 W. 168th Street
Gardena, CA 90248-2732
P - 310-532-3705 F - 310-532-3750

CERTIFICATION **MIL0260**

Date	P.O. No.	Invoice #
5/29/2013	PA67026-00	81967

Customer:

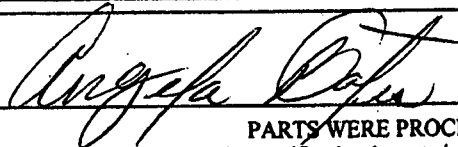

Shur-Lok Corporation
2541 White Road
Irvine, CA 92614
maranda@shur-lok.com

Qty	U/M	Description	Treatment
50,000 4 130	pcs tubs lbs	Item - 10818HT Job Nbr - MIJ3720 Ref 0050 SL2052N08-3 NUT MTL: C-1050 Spec: AMS 5085	Austemper per MIL-H-6875 Rev H as Applicable & MPS 1124 Rev C 36 - 40 HRC Dip Parts in Rust Prevent Oil

TEST DESCRIPTION.	SPECIFIED HARDNESS	QTY TESTED	TEST RESULTS
Sample	36-40 HRC	12 pcs	69-70 RA = 38-40 HRC

OPERATION	SPEC TEMP	SPEC TIME	FURNACE #	ATMOSPHERE	Q-MEDIA
Austemper	1550°F	12 Min	SH3	Endo	Salt
Temper	700°F	2 HRS	D2	Air	A/C

COMMENTS: _____

		6/17/2013 ANGELA BATES -QUALITY ASSISTANT
PARTS WERE PROCESSED IN A MERCURY FREE ENVIROMENT		
Hi Tech Heat Treating, Inc. certifies that the material above has been processed in accordance with the listed specifications, and that all information provided is true and accurate. The hardness indicated represents the parts in their present state of completion.		

Hi Tech Heat Treating

331 W. 168th Street
Gardena, CA 90248-2732
P - 310-532-3705 F - 310-532-3750

CERTIFICATION ^{MIL0260}

Date	P.O. No.	Invoice #
5/29/2013	PA67026-00	81967

Customer:



Shur-Lok Corporation
2541 White Road
Irvine, CA 92614
maranda@shur-lok.com

Qty	U/M	Description	Treatment
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Austemper	1550°F	12 Min	SH3	Endo	Salt
Temper	700°F	2 HRS	D2	Air	A/C

COMMENTS: _____

 	6/17/2013 ANGELA BATES -QUALITY ASSISTANT
PARTS WERE PROCESSED IN A MERCURY FREE ENVIROMENT Hi Tech Heat Treating, Inc. certifies that the material above has been processed in accordance with the listed specifications, and that all information provided is true and accurate. The hardness indicated represents the parts in their present state of completion.	

MIL0260

Reid Metal Finishing
3110 West Harvard
Santa Ana, CA 92704
Phone: (714) 549-3771
Fax: (714) 549-3008

CERTIFICATION

P/L # 76309
06/25/2013

SOLD TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE, CA 92614

SHIP TO:

SHUR LOK CORP
2541 WHITE ROAD
IRVINE CA 92614

Ship: RMF Truck 2

Net 75 Days

UNITS SHIPPED	PART	DESCRIPTION	PO	RMF	REF
50,000 qty.	SL2052N08-3	NUT	MIJ3720	78644	AGREEMENT
Per: lb. 0 B/O	116.00 lbs.				

WE HEREBY CERTIFY COMPLIANCE TO THE BELOW REFERENCED PROCESS SPECIFICATION(S)

Dull Cad Plate Type II Class 2 Chromate
AMS-QQ-P-416

Color: GOLD
Rev: C

IAW MPS0020
DESCALE

Quantity Inspected 80

MPS0016 Sampling IAW MIL-STD-105 AQL 4.0 Level S-3 for visual and nondestructive (thickness) tests.

Q.C. MANAGER: _____



Nadcap

Processes are performed by RMF in accordance with the latest revisions or superseding specifications. This certification also meets the requirements for designs and drawings developed under older revisions and/or non-current specifications. An Electrode Technologies, Inc., Company.

225

6-25-13

50

MACFASTENERS, INC.

1110 Enterprise Street

Ottawa, KS 66067

Phone: 785-242-8812

Fax: 785-242-4616

Packing List**Bill** B/E AEROSPACE CONSUMABLES MGMT**To:** 10000 NW 15TH TERRACE

MIAMI, FL 33172

Ship B/E AEROSPACE CONSUMABLES MGMT**To:** 9835 NW 14th Street

Miami, FL 33172

United States

Shipment No: 58856**Shipment Date:** 05/20/13**Ship Via:** United Parcel Service**Order Number:** 44988**Order Date:** 04/11/12**Customer Code:** BE AEROSPACE**Phone:** (305) 925-2600**PO Number:** 8M5092**Terms:** Net 30 Days

LOT #62154

<u>Item</u>	<u>Quantity</u>				<u>Unit</u>	<u>Description</u>	<u>Job Number</u>
	<u>Open</u>	<u>Shipped</u>	<u>Back Ord</u>	<u>Canceled</u>			
2	50,000	55,000	0		M	MS27039-08-11 Screw machine pan head structural cross recessed	62154

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE
AND
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: B/E AEROSPACE

PO: 8M5092

PART NUMBER: MS27039-0811

REV: 3

LOT NUMBER: 62154

MANUFACTURED QUANTITY: 55,000

MILL HEAT NUMBER: 8076629

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

MERCURY FREE CERTIFICATION

MacFasteners Inc. certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS, INC. within the United States, and were processed in accordance with all applicable drawings and specifications.

Objective evidence of compliance is on file, subject to examination upon request.

DATE: 05/17/13


QUALITY ASSURANCE REPRESENTATIVE

MacFasteners, Inc. is an AS9100C Registered Company- SAI GLOBAL - 0058029

MAC FASTENERS, INC.
1110 EAST ENTERPRISE
OTTAWA, KS 66067

CHEMICAL & PHYSICAL TEST REPORT

CUSTOMER B/E AEROSPACE	PO NUMBER 8M5092	MFG QUANTITY 55,000	DATE 05/17/13
PART NUMBER MS27039-0811	REV 3	LOT NO 62154	PROCUREMENT SPEC NASM7839

MATERIAL TYPE 8740				MATERIAL SPECIFICATION MIL-S-6049/AMS6322				MILL HEAT NUMBER 8076629			SUPPLIER JOHNSTOWN		
C .40	Si .26	Mn .86	P .012	S .012	Cu .12	Ni .43	Cr .48	Mo .20	V	B	Fe	Al	Ti
	Co	N	Bi	Pb	Mg	Zn		Nb	Sn			Other	

MECHANICAL TEST RESULTS - TESTING PER NASM1312

ULTIMATE TENSILE STRENGTH POUNDS	
2,180	2,200
2,190	2,180
2,170	2,170
2,180	2,180
2,160	2,190
2,180	
2,170	
2,190	
MIN. REQ. 1750	

DOUBLE SHEAR STRENGTH POUNDS / PSI
TOO SHORT TO TEST PER NASM1312-13
MIN. REQ.

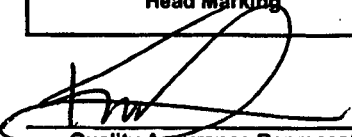
HARDNESS	
ROCKWELL "C" SCALE	
REQ.	26 - 32 HRC
SAMPLE SIZE	13
ACTUAL RESULTS 29-30 HRC	

METALLURGICAL EXAMINATION			
Discontinuities	<input checked="" type="checkbox"/>	Carb/Decarb	<input checked="" type="checkbox"/>
Grain Flow	<input checked="" type="checkbox"/>	Microstructure	<input checked="" type="checkbox"/>
Grain Size	<input checked="" type="checkbox"/>	Appearance	<input checked="" type="checkbox"/>
Thread Inspection FED-STD-H28/20 - ASME B1.3		System 21 <input type="checkbox"/>	System 22 <input checked="" type="checkbox"/> System 23 <input type="checkbox"/>

NDT/ ADDITIONAL TESTS	
Magnetic Particle Inspection per ASTM E1444	<input type="checkbox"/>
Liquid Penetrant Inspection per ASTM E1417	<input type="checkbox"/>
Recess Torque Test	<input type="checkbox"/>
Head Marking	<input checked="" type="checkbox"/>

TEST CERTIFICATION

WE CERTIFY THAT THE PART NUMBER, LOT NUMBER, AND SAMPLES REFERENCED ABOVE HAVE BEEN TESTED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION FOR THE TESTS REPORTED HEREIN. THIS CERTIFICATION SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE APPROVAL OF MAC FASTENERS, INC.


Quality Assurance Representative

AS9100C REGISTERED
SAI GLOBAL - 0058029

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

HEAT TREAT CERTIFICATION

CUSTOMER: B/E AEROSPACE

DATE: 05/17/13

PO NUMBER: 8M5092

MANUFACTURED QUANTITY: 55,000

LOT NUMBER: 62154

MATERIAL: TYPE 8740

PART NUMBER: MS27039-0811

REVISION: 3

REQUIRED HARDNESS: 26 - 32 HRC

SAMPLE SIZE: 13

HARDNESS: 29-30 HRC

HEAT TREAT SPECIFICATION AS APPLICABLE: MIL-H-6875/AMS-H-6875/AMS2759/AMS5853/PS-1001

The fasteners referenced in this report have been processed, inspected and certified by the Heat Treat Contractor in accordance with all applicable drawings and specifications. Heat Treatment has been verified in accordance with procurement specification and part drawing, by metallurgical and mechanical testing as applicable. Evidence of compliance as well as certification from the Heat Treat Contractor is on file and subject to examination upon request.


QUALITY ASSURANCE REPRESENTATIVE

DE TRAY

Plating Works

Specialized Electro-Plating and Polishing
Nickel *Passivate*
Copper *Bright Dip*
Decorative Chrome *Strip Copper*
Satin Chrome *Descale*
Zinc
Cadmium

10405 EAST ELEVENTH STREET • INDEPENDENCE, MISSOURI 64052
Phone (816) 252-8411 Fax (816) 252-8527 • E-mail : DeTrayPlating@aol.com

May 15, 2013

Mac Fasteners
1110 East Enterprise Street
Ottawa, Kansas 66067

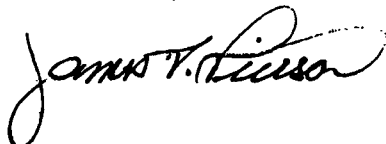
Subject: Certification

This is to certify that the following parts have been electrodeposited cadmium plate per Spec.-
QQ-P-416/AMS-QQ-P-416/NAS4160/AMS2400, Type II, Class 2. Please reference our
Invoice#169883 dated 5/15/2013 for:

Lot#- 62154

P.N.- MS27039-08-11

James T. Pierson, Vice-President



DE TRAY PLATING WORKS



**Johnstown
Wire
Technologies**

124 Laurel Ave,
Johnstown, PA 15906

Phone: 814-532-5680
Fax: 814-532-5684

WORK ORDER
262924

TEST REPORT
LOT NUMBER
K-8076629
SALES ORDER / RLS
009176 / 1

SOLD TO

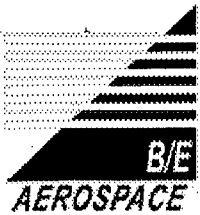
Mac Fasteners, Inc.
1110 Enterprise Street
Ottawa, KS 66067
USA



CUSTOMER P.O. 50516	CUSTOMER PART 8740-.160	QUANTITY 11,374 LBS	COILS 5	LADING NO 00113446	SHIPMENT DATE 10/16/2012
SPECIFICATION MacFast-87160 AMS2301; AMS6322; AMS-S-6049A; MIL-S-6049A 8740 DFARS TS 95000 PSI Max Defense Federal Acquisition Regulation Supplement Silicon Killed Fine Grain Aircraft Quality/Cold Heading Quality Drawn From Annealed Rod Spheroidize Annealed In Process Heavy Phos & Light Lube Ctd Size: .160 +.001 -.000					
CERTIFICATION REQUIREMENTS					
Chemical					
C .40	Mn .86	P .012	S .012	Si .26	Al .030
Ni .43	Cr .48	Mo .20	Cu .12	V .004	
Cb .001	Ti ???????	N .0084	Sn .007		
Physical					
AMS 2301 0000	J1 57	J10 38	J11 36	J12 34	J2 56
					J3 55
					J5 53
					J4 54
					J6 51
					J7 49
					J8 45
					J9 42
MacroClean E-381 111					
Mechanical					
TEST	UNITS	HIGH	LOW	AVERAGE	
Tensile Str	Lbs/Sqin	83000	83000	83000	
RA Per Cent	Percent	72.5	69.2	70.9	
Decarb FFD	Inches	.000	.000	.000	
Surface def. depth	Inches	.000	.000	.000	
Rod / Melt Source					
Rod Source Republic	Melt Source Republic	Country of Origin USA	Nafta Yes		
End of Certification					

I certify that the results are a true and correct copy of the records prepared and maintained by JOHNSTOWN WIRE TECHNOLOGIES in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier and is not in JWT A2LA accreditation. This test report cannot be reproduced or distributed except in full without the written permission of JOHNSTOWN WIRE TECHNOLOGIES. The test results certified herein relate only to the items tested.

D. L. Deetscreek
D. L. Deetscreek
Director of Quality Assurance



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 650 LONGBEACH BLVD, STRATFORD, CT 06615


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: P023674

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	400	EA	MS27039-08-11		62154	MAC FASTENERS	0RFT4		


Jason Lewis
Vice President of Quality

04/07/14